CONTENTS

NO. 1 FEBRUARY 1995

G. HALL. Silicon pixel detectors for X-ray diffraction studies at synchrotron sources 1

JANOS KIRZ, CHRIS JACOBSEN AND MALCOLM HOWELLS Soft X-ray microscopes and their biological applications 33

NO. 2 MAY 1995

J.-P. BENOIT AND J. DOUCET. Diffuse scattering in protein crystallography 131

R. HENDERSON. The potential and limitations of neutrons, electrons and X-rays for atomic resolution microscopy of unstained biological molecules 171

Z. SHAO AND J. YANG. Progess in high resolution atomic force microscopy in biology 195

NO. 3 AUGUST 1995

First Announcement: XIIth International Biophysics Congress i

Travel fellowship programme for young scientists iii

DE WITT SUMNERS, CLAUS ERNST, SYLVIA J. SPENGLER AND NICHOLAS R. COZZARELLI. Analysis of the mechanism of DNA recombination using tangles 253

R. GRISSHAMMER AND C. G. TATE. Overexpression of integral membrane proteins for structural studies 315

NO. 4 NOVEMBER 1995

C. MONTECUCCO AND G. SCHIAVO. Structure and function of tetanus and botulinum neurotoxins 423

L. KESZTHELYI. Origin of the homochirality of biomolecules 473